

STAROSOLSKY, Odon

Self-propelled water-power siphon. Vizugyi kozl no. 2:236-237 '63

KRANICZ, Laszlo; STAROSOLSKY, Odon

Hydraulic correlations of controlling electric sluices. Hidrologiai  
kozlony 45 no.2:89-95 F '65.

I. Scientific Research Institute of Water Resources Development,  
Budapest.

VOL'FSON, V. (Leningrad); STAROSKOL'TSEV, V (Lugansk); FEDYAYEV, S.:  
PERKOV, L.; TONKONOGOV, M. (Tashkent); PRUSOV, A. (Taldom); BELOV, B.  
(Orekhovo-Zuyevo); PETROV, V.

News from everywhere. Sov.foto 20 no.8:44-45 Ag '60.  
(MIREA 13:8)

1. Zaveduyushchiy fotokinolaboratoriyy Tsentral'noy statsii yunykh  
tekhnikov imeni N.M. Shvernika (for Fedyayev). 2. Zaveduyushchiy  
fotolaboratoriyy pionerskogo lagerya Moskovskogo vyshego  
tekhnicheskogo uchilishcha im. Baumana (for Perkov).  
(Photography)

STAROSOLSKI, Wladzimierz, (Gliwice)

General case of a prestressed cross-section; general analysis  
and choosing of the prestressing forces. Archiw inz lad 6 no.3:  
327-340 '60.

STAROSOLSKI, W.

The general case of a prestressed element. Analysis and choice of the  
prestressing force. Bul Ac Pol tech 9 no.1:69-76 '61.  
(EEAI 10:9)

1. Silesian Technical University, Gliwice. Presented by W. Olszak.  
(Prestressed concrete)

STAROSOLSKI, Włodzimierz, mgr inż. (Gliwice)

Diagrams for fast designing of prestressed cross sections. Inż  
i bud 20 no.1:Suppl.: Maly por konstr 4 no.1:1-4 Ja '63.

STAROSOLSKI, Wladzimierz, mgr inż. (Gliwice)

Diagrams for speedy designing of prestressed cross sections.  
Inz i bud 20 no.2: Suppl.: Maly poradnik konstruktora 4 no.2:  
10-12 F '63.

Starosolszky, O.

HUNGARY / Chemical Technology. Chemical Products and  
Their Application. Processes and Apparatus  
of Chemical Technology.

H

Abs Jour: Ref Zhur-Khimiya, No 9, 1959, 31568.

Author : Starosolszky, O.

Inst : Not given.

Title : The Study of the Fall of Pressure in Branch Pipes.

Orig Pub: Vizugyi kozl., 1958, No 1, 115-121.

Abstract: Experimental graphic functions are provided for  
the determination of the fall of pressure in  
branch pipes at an angle of 45-135° during the  
converging and diverging currents of liquids.  
-- D. Pyushpcki.

Card 1/1

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STAROSTA, E.; FOLKWSKI, H.

Injection pumps and other feeding elements of high-compression internal-combustion engines. p. 235.

PRZEGŁAD MECHANICZNY. (Stowarzyszenie Inżynierów i Techników Mechaników Polskich) Warszawa. Poland. Vol. 17, no. 5, May 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, No. 2, Feb. 1959.

Uncl.

L 4993-66 EWP(t)/EWP(k)/EWP(b) IJP(c) JD

ACC NR: AP6000465

SOURCE CODE: CZ/0031/65/013/002/0090/0093

AUTHOR: Starosta, Jaroslav; Sramek, Josef; Mikovec, Miroslav (Engineer)

ORG: Sramek CKD, n. p., Electrical Engineering Plant, Prague (CKD, n. p., zavod Elektrotechnika); Mikovec Machine Tools Research Institute, Prague (Vyzkumny ustav obrabecich stroju a obrabeni)TITLE: Machining of titanium alloys

SOURCE: Strojirenska vyrabá, v. 13, no. 2, 1965, 90-93

TOPIC TAGS: titanium alloy, metal machining

ABSTRACT: The article presents the results of experiments conducted to determine the conditions for the machining of Czechoslovak titanium alloys. Orig. art. has: 6 figures. [JPRS]

SUB CODE: MM, IE / SUBM DATE: none

BC  
Card 1/1

UDC: 621.9.033/621.91.07

0901 1247

STAROSTA, Karel, MUDr

Proteins in nutrition; relation of clinical application of dietary proteins to blood serum fractions. Cas.lek.česk. 91 no.37:1072-1077 12 Sept 52.

1. Z I. int. oddeleni nemocnice v Praze XIII. Prednosta: Prof. dr. J. Syllaba.

(BLOOD PROTEINS,

eff. of dietary proteins)

(PROTEINS, effects,

on blood proteins, dietary intake)

STAROSTA.

STAROSTA, K., Dr; SYLLABA, J., Prof. Dr

Adrenocortical response to ACTH following prolonged intravenous application and results of the application. Cas. lek. cesk. 91 no. 45-46:1364-1366 14 Nov 52.

1. Z I. int. oddeleni nemocnice v Praze XIII, prednosta: prof. dr J. Syllaba.

(ACTH, administration,  
intravenous, eff.)

STAROSTA, K.

"The Syndrome of Libman Sacks," p. 239.  
(Casopis Lekaru Ceskych, Vol.92, No.9, Feb. 1953, Praha.)

SO: Monthly List of Russian Accessions, Library of Congress, September 1953, Uncl.  
East European Vol.2, No.9

STAROSTA, Karel, MUDr.

Libman-Sacks syndrome. Cas. lek. cesk. 94 no.49:1345-1347  
2 Dec 55.

1. Z I. int. odd. nemocnice v Praze XII. Prednosta: prof.  
Dr. J. Syllaba.  
(LUPUS ERYTHEMATOSUS.)

STAROSTA K.

EXCERPTA MEDICA Sec.18 Vol.1/10 Cardiovascular Oct 57

2703. STAROSTA K. and BLÁHA R. Med.-Prop. Univ.-Klin., Weinberger Krankenhaus, Prag. Das Aneurysma des Stammes der Lungenarterie. Eine klinische und pathogenetische Studie an 3 Fällen *Aneurysm of the trunk of the pulmonary artery.*

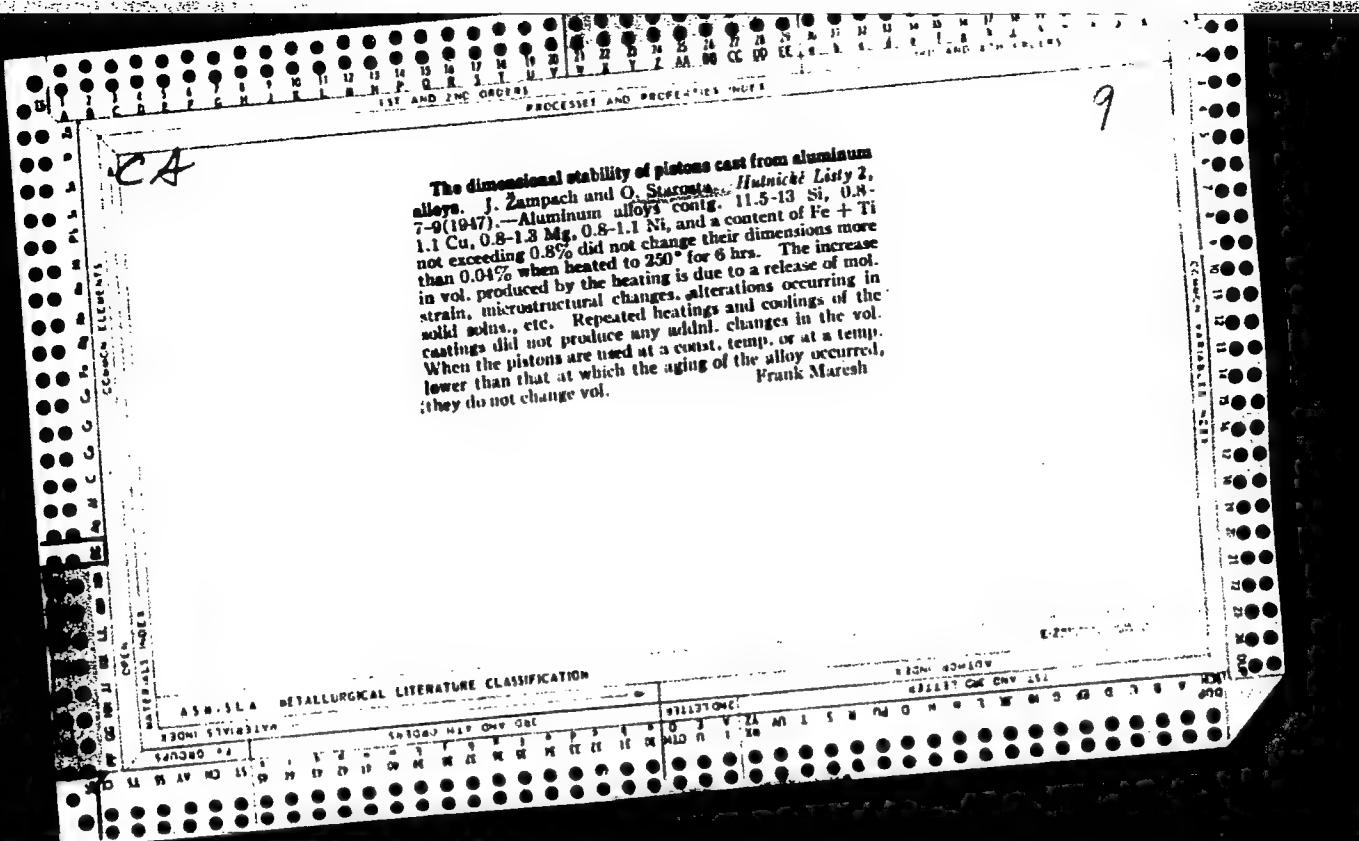
2703

CONT.

*A clinical and pathogenic study of 3 cases Cardiologia (Basel) 1957, 30/5 (289—306)*

Illus. 10

The clinical picture of aneurysm of the trunk of the pulmonary artery, diagnosed in vivo in 3 female patients with the aid of angiography and cardiac catheterization, is described. The first 2 cases showed a saccular aneurysm belonging to the category of primary dilatations of the pulmonary artery. Both were women aged 53, whose main complaints were dyspnoea and pains of coronary character. The findings in the second intercostal space at the left sternal border were characteristic. The 3rd case was a 39-year-old female patient with a fusiform aneurysm probably due to pulmonary arteritis, and with the clinical picture of the Ayerzasyndrome. An attempt to distinguish clinically the true aneurysms from the simple dilatation of the pulmonary artery and a pathogenetic analysis are made with the aid of cardiac catheterization. The rareness of these aneurysms is pointed out and clinical, pathogenetic and aetiological data according to world statistics are given. (XVIII, 6\*)



**Permanent magnets cast in sand.** J. Lampach and O. Storaus. *Wiss. Ztschr. f. Eisenhüttenk.* 4, 14-17, 51-2 (1940).—Most suitable for melting magnetic steels are high-frequency induction furnaces. The charge is a very pure, soft steel (max. C, Si, and Mn a few hundredths of a %) Ni, Cu, or Co. Ti is added to the melt as Fe-Ti or Al-Ti. Al is added at the very end of the melting process and it must be done quickly to prevent creation of nonuniformities. Even slight nonuniformities in the Al content of the structure have an adverse effect on the magnetic properties of the castings. High casting temps. are advantageous to obtain good filling of the molds and a coarse grain structure. The gating must be suitably designed to prevent foam formation during the casting process. Lost heads (feeling heads) cannot be used, and the ingates should be so designed that they can be parted from the castings by knocking off. Addis, for machining must be kept very small, there should be no sudden changes in the cross section, and the max. thickness should not exceed 25-30 mm. Hardening temps. vary between 900° and 1380°, cooling speeds must be accurately controlled and kept within prescribed limits; tempering temps. are 500-650°. Variation in the cooling speed will cause variations of the magnetic properties for Fe-Al-Ni alloys. A series of expts. enabled the authors to find a suitable compn. which permits casting of magnets with various wall thicknesses from a single melt. For hardening in water steels with Al 12, Ni 27, and Cu 8%, and also steels with Al 12,

At 30, Cu 6,  $\sigma_c$  1.5, Ti 0.5% proved to be most suitable. The best shape of demagnetizing curves is obtained for certain Fe-Cu-Ni-Co alloys with possible addition of Cu and other materials, and hardened in a magnetic field  $(B.H.)_c$ , for such steels is  $4.5 \times 10^6$  gauss-oersteds. On the basis of theoretical considerations it can be said that the limit values of the specific magnetic energy are  $5 \times 10^6$  gauss-oersteds for ordinary steels, and about  $20 \times 10^6$  for steels hardened in a magnetic field. E. Goss

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652930006-9"

Z/039/60/021/08/011/032  
E140/E563

AUTHOR: Starosta, Ondřej, Engineer

TITLE: Permanent Magnets Bonded by Organic Compounds

PERIODICAL: Slaboproudý obzor, 1960, Vol 21, No 8, pp 496-497

ABSTRACT: A brief note on ferrite permanent magnets bonded with  
rubber or other artificial plastics, according to  
Patent No.85885 (Ref 1)  
There are 2 tables and 1 reference.

✓  
B

ASSOCIATION: Metaz, Týnec nad Sázavou

SUBMITTED: March 25, 1960

Card 1/1

Z/039/61/022/012/009/009  
D291/D306

AUTHOR: Starosta, Ondřej, Engineer, and Válek, Jiří  
TITLE: Advantages of sintered permanent magnets made of AlNi  
and AlNiCo alloys  
PERIODICAL: Slaboproudý obzor, v. 22, no. 12, 1961, 753-756

TEXT: The article briefly lists the preparation of AlNi and AlNiCo permanent magnets by methods of powder metallurgy. It gives a detailed description of the advantages of such magnets, and directions for the economical design of sintered-magnet circuits. Permanent AlNi and AlNiCo magnets can be prepared from the powdered alloy either by bonding with synthetic resin, or by sintering, and have the following advantages compared with cast magnets: (1) They have finer grains, are less brittle and fragile and are easier to machine, since their hardness ranges between 35 and 48 HR<sub>C</sub>, while that of cast magnets ranges between 48 and 60 HR<sub>C</sub>; (2) they have a considerable tensile strength (40 - 150 kg/mm<sup>2</sup>) and are ✓

Card 1/2

STAROSTA, Ondrej, inz.; TISCHER, Zdenek, inz.

Formable and machinable materials for permanent magnets. Slaboproudny  
obzor 24 n.p. 5:291-294 My '63.

1. Metaz, n.p., Tynec nad Sazavou (for Starosta).
2. Vyzkumny ustav kovu, Panenske Brezany (for Tischer).

L 07534-67 EMP(k)/EMT(l)/EMP(e)/EMP(t)/ETI IJP(c) JD  
ACC NR: AP6019417 (A) SOURCE CODE: CZ/0078/66/000/005/0009/0009

INVENTOR: Hruska, Alois (Engineer; Prague); Kasik, Ivan (Engineer; Prague); Starosta, Ondrej (Engineer; Cercany); Siska, Miloslav (Benesov u Prahy); Valek, Jiri (Doctor of Physics; Prague)

35  
B

ORG: none

TITLE: [Method for making permanent magnets] CZ Pat. No. PV 1453-65

SOURCE: Vynalezy, no. 5, 1966, 9

TOPIC TAGS: magnet, permanent magnet material, magnetic alloy

ABSTRACT: A method for making permanent magnets having a pole structure by the electric slag smelting of an alloy for permanent magnets is described. The chemical composition of the alloy is 5 to 10% Al, 10 to 27% Ni, 5 to 40% Co, 1 to 10% Cu, 0 to 10% Ti, 0 to 4% Zr, 0 to 4% Nb, 0 to 4% Ta, and a residue of Fe in the crystallizer. The distinguishing feature of the method is that in order to direct the growth of the crystal in the axial direction of the crystallizer, in the direction of magnetization, the current density in the electrode is controlled and kept in the 0.3 to 3.5 A/mm<sup>2</sup> range through the temperature regime of the electric slag process using slag of chemical composition 40 to 100% CaF<sub>2</sub>, 0 to 50% Al<sub>2</sub>O<sub>3</sub>, 0 to 50% CaO, 0 to 10% SiO<sub>2</sub>, 0 to 5% MgO, 0 to 5% TiO<sub>2</sub>.

SUB CODE: 09,11/ SUBM DATE: 03Mar65

Contd 1/1

STAROSTA, Vladimír; STRNAD, Miroslav

Our experience with atelectases following pulmonary resection.  
Sborn. ved. prac. lek. fak. Karlov. Univ. 8 no.3:305-310 '65.

1. Katedra vnitřního lékařství (prednosta: prof. MUDr. F. Černík)  
a Tbc. odd. Krajského ústavu národního lékařství v Německých  
(prednosta: primář MUDr. J. Šebesta).

STRNAD, Miroslav; HOLECKOVA, Rut; ROZANEK, Pavel; STAROSTA, Vladimir;  
SEBESTA, Josef; STURSA, Vladimir; VOJTEK, Jaroslav

A method for the diagnosis of new cases and recurrence of  
tuberculosis. Sborn. ved. prac. lek. fak. Karlov. univ.:  
Suppl. 8 no.5:577-582 '65.

Age, occupation and social factors in severe tuberculoses.  
Ibid.:583-587

Resistance problems in Mycobacteria tuberculosis and the  
treatment of severe tuberculosis with secondary antituber-  
cular agents. Ibid.:589-592

Some cases of severe tuberculosis escaping early diagnosis.  
Ibid.:593-598

1. Tbc oddeleni v Nachanicich (prednosta MUDr. J. Sebesta).

IONESCU, Nicolae, ing.; STAROSTE, Zev, ing.; CATARAU, Gheorghe; VASILACHE, Gheorghe.

The concrete trade. Constr Buc 16 no.77083 10 0364

STAROSTENKO, A. Kh.

"New Main Geared Turbine Unit for a 10,000 Ton Capacity Freighter"

The Kirov District of Leningrad Strives for Technological Progress; Collection of Articles, Leningrad, Sudpromgiz, 1957. 171pp.

This collection of articles describes the progressive experience of the industrial plants of the Kirov district of the city of Leningrad in the fields of shipbuilding, machine building, instrument-making, casting, hydrolytic and other industries. New manufacturing methods are discussed.

STAROSTENKO, A.Kh., inzhener.

Main geared-turbine machinery for 10,000 ton capacity loose  
cargo ships. Sudostroenie 23 no.1:34-40 Ja '57. (MIRA 10:10)  
(Marine turbines) (Merchant ships)?

*Glavnoye upravleniye po konstruktsii*  
AUTHOR: Starostenko, A., Chief Constructor

4-10-27/47

TITLE: Turbines (Turbiny)

PERIODICAL: Znaniiye - Sila, 1957, # 10, page 21 (USSR)

ABSTRACT: The author gives a short history of Turbine construction at the Kirov Works. At present, the department is designing a main engine for a petroleum tanker with a displacement of 38,000 tons. This tanker will have a speed of 18 - 20 knots. One of the reductors will be as large as a two-story house and will weigh 70 tons.

AVAILABLE: Library of Congress

Card 1/1

STAROSTENKO, A.Kh., inzh.

Main turbo-gear unit used on tankers. Sudostroenie 24 no.12:  
26-31 D '58. (MIRA 12:2)  
(Marine turbines) (Tank vessels)

STEAM TURBINE, ACTUAL, INCHES, U.S., inch.

Standardized 3-stage steam turbines with reduction gearing.  
Sudostroenie 17 no. 7-22 35 JN '61. (MTR 14:11)  
(Steam turbines, Marine)

KURZON, A.G.; STAROSTENKO, A.Kh.; NEZHILUKTO, V.Ya.; PASENKO, I.A.; BYKOV, Yu.V.; VOL'PER, Ye.I.; GITEL'MAN, A.I.; GOL'DRERG, F.I.; IL'IN, K.M.; SAVITSKIY, T.A.

Principal results of testing the Soviet gas turbine plant (GTU-20) for seagoing vessels. *Sudostroenie* no.7:22-36 J1 '65.  
(MIRA 18:8)

STAROSTENKO, A.M.

Results of the use of thiophosphamide in treating cancer metastasis  
in the trachea and the lymph nodes of the neck. Zhur.ush., nos. 1  
gorl. bol. 24 no.5:77-78 S-0 '64. (MIRA 18:3)

1. Iz kafedry bolezney ukha, gorla i nosa (zav. - zasluzhennyy  
deyatel' nauki prof. L.A.Zaritskiy) Odesskogo meditsinskogo  
instituta imeni Pirogova.

STAROSTENKO, A.M.

Thiamine content in the organism of patients with cancer of the larynx in relation to the spreading of the process and method of treatment. Zhur. ush. nos. i gorl. bol. 23 no.6:13-17 N-D '63.  
(MIRA 17:5)

1. Iz kliniki bolezney ukha, gorla i nosa (zaveduyushchiy-zasluzhennyy deyatel' nauki prof. L.A. Zaritskiy) Odesskogo meditsinskogo instituta im. N.I. Pirogova.

STAROSTENKO, G.A.; POSTNIKOV, V.O.; GREVTSOVA, M.F.

Electrohydraulic safety device attached to the draw works of a  
LT-11KM tractor hoist. Nefteprom. delo no.12:25-29 '63.  
(MIRA 17:4)

1. Krasnodarskiy filial Vsesoyuznogo nauchno-issledovatel'skogo  
i proyektno-konstruktorskogo instituta kompleksnoy avtomatizatsii  
neftyanoy i gazovoy promyshlennosti.

STAROSTENKO, G.M. (Kiyev, ul.Chelyuskintsev, d.4, kv.4)

Case of spontaneous detachment of a malignantly degenerated polyp  
of the large intestine. Nov. khir. arkh. no.9:82 S '61.  
(MIRA 14:10)

1. 1-ya gorodskaya bol'nič Zhelezodorozhnoy rayona Kiyeva.  
(INTESTINES—DISEASES)

STAROSTENKO, N. F.

Jan 53

USSR/Chemistry - Electrolysis

"Concerning Certain Effects of a Magnetic Field on the Electrical Current in Solutions," N. F. Starostenko, Moscow Chem-Technol Inst im D. I. Mendeleev.

Zhur Fiz Khim, Vol 27, No 1, pp 95-99

Measurements taken showed that the ponderomotive forces in solns of electrolytes act according to the same principles which pertain to metallic conductors. The occurrence of a change of electroconductivity of solns in a magnetic field,

268T18

indicated by a number of authors, has not been confirmed. A more delicate method is required to reveal the distortion of the ions' path in a magnetic field. It is still impossible to acknowledge as trustworthy the existence of the Hall effect in solns.

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VINOGRADOVA, L.M., kandidat tekhnicheskikh nauk; KOROLEV, A.Ya., kandidat khimicheskikh nauk; STAROSTENKO, N.F., inzhener-mayor.

Improve visibility when flying in rain. Vest. Vozd. Pl. 39 no.4:  
73-74 Ap '57. (MLRA 10:9)

(Airplanes--Windshields)

STAROSTENKO, Ye.P.; STAROSTENKO, N.F.

New method of electrochemical reduction on a mercury cathode.  
Zhur. fiz. khim. 35 no.5:1168 My '61. (MIRA 16:7)

(Reduction, Electrolytic)

STAROSTENKO, Ye.P.; STAROSTENKO, N.Z.

Electrochemical reduction of nitrite anions. Trudy MKBTI no. 44-2115-118  
1964. (MIRA 1881)

STAROSTENKO, N.P.; NEPENIN, N.N.; LESHCHENKO, I.G.

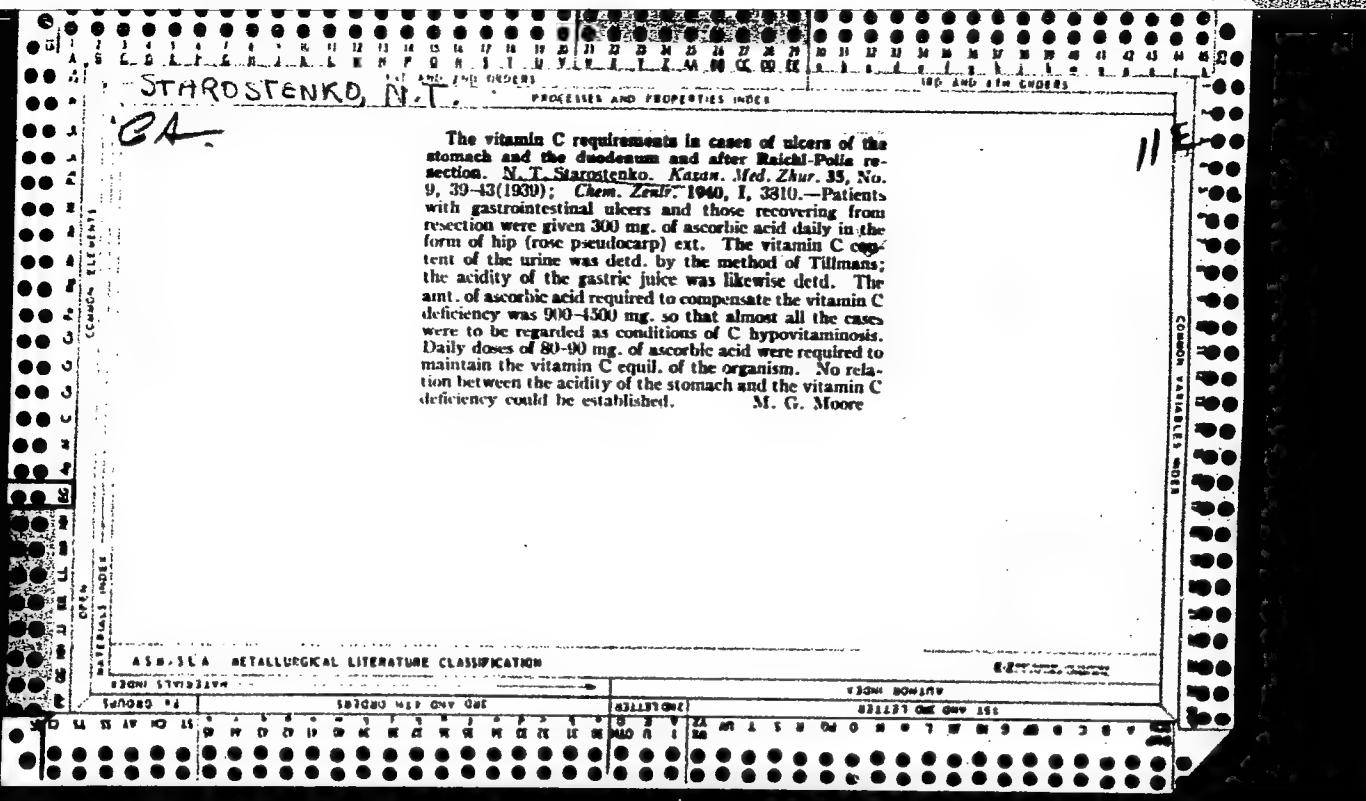
Resin composition as a factor determining the undesirability  
of a resin in woodpulp. Bum.prom.32 no.9:2-5 S '57. (MIRA 10:12)

1. Ordona Lenina Lesotekhnicheskaya akademiya im. S.M.Kirova.  
(Woodpulp) (Gums and resins)

STAROSTENKO, N.P.; NEPENIN, N.N.

Comparative study and characteristics of methods applied in  
determining "harmful" resins in cellulose. Trudy LIA no.80 pt2:  
3-17 '58. (MIRA 13:4)  
(Woodpulp) (Gums and resins)





STAROSTENKO, N.I.

Assimilation of vitamin C in disturbances of the gastrointestinal tract. N. T. Statonov. *Byull. Akad. Med. Nauk. SSSR*, 14, No. 1, 70-2 (1952); cf. *C. A.*, 36, 4680c. Chronic disturbance of the gastrointestinal tract produces unfavorable conditions for assimilation of vitamin C with resulting *per os* deficiency. Hence, clinical cases of vitamin C deficiency of this type may be due not only to poor vitamin C content in the diet, but mainly to the poor assimilation of the vitamin. G. M. Kusolapov

APPROVED FOR RELEASE: 08/25/2000

**CIA-RDP86-00513R001652930006-9"**

STAROSTENKO, N. T.

1a 2/49T90

USER/Medicine - Liver, Acute Yellow Atrophy, Jan 48  
Therapy

Medicine - Nicotinic Acid

"Treatment of Acute Parenchymatous Hepatitis,"  
N. T. Starostenko, Faculty of Therapeutic Clinic,  
Kishinev Med Inst, 1<sup>st</sup> pp

"Sov Med" No 1

Nicotinic acid 1% solution can be injected sub-  
cutaneously in cases of acute parenchymatous  
hepatitis. It was found to be very effective in  
pregnant women afflicted with this disease. Much  
research is still necessary to determine full value

2/49T90

USER/Medicine - Liver, Acute Yellow Atrophy, Jan 48  
Therapy (Contd)

of this substance. Director of Kishinev Med Inst:  
I. Kh. Sorochan.

2/49T90

STAROSTENKO, N.T.

[Vitamin C requirements in chronic diseases of digestive organs]  
Potrebnost' v vitamine C pri khronicheskikh zabolеваний  
organov pishchevareniia. Kishinev, Gos. izd-vo Moldavii, 1956. 1 v.  
(ASCORBIC ACID) (MIRA 10:3)  
(DIGESTIVE ORGANS--DISEASES)

STAROSTENKO, N.T.

~~[Botkin's disease in Moldavia] Bolezn' Botkina v Moldavii.~~  
Kishinev, Gos. izd-vo Moldavii, 1957. 78 p. (MIRA 11:9)  
(MOLDAVIA--HEPATITIS, INFECTIOUS)

N/5  
644.62  
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STAROSTENKO, N T

Lecheniye Gipertonicheskoy Bolennzi (Medical Treatment of Hypertension)  
by N. T. Starostenko I A. G. Diorditsa. Kishinev, Gos. Izd-Vo Moldavii, 1957.  
117 (1) p. Tables. "Literatura": p. 116-(118).

STAROSTENKO, N.T., prof.

Replies to readers' questions. Zdravookhranenie 4 no. 1:63 Ja-F  
'61. (MIRA 14:2)  
(GLUCOSE—THERAPEUTIC USE)

STAROSTENKO, N.T.; SHLYAKHOV, E.N.; DROBINSKIY, I.R.; BONDURYANSKIY, I.P.;  
VIZITIU, A.F.; SHROYT, I.G.; ZHITAR', V.D.; KOROVINA, T.V.;  
LEBENZON, N.N.

Botkin's epidemic hepatitis in Moldavia and measures for its  
control. Zdravookhranenie 5 no.3:33-38 My-Je '62. (MIRA 16:1)

1. Iz kafedry fakul'tetskoy terapii, infektsionnykh bolezney,  
mikrobiologii, gospital'noy terapii Kishinevskogo meditsinskogo  
instituta (rektor - dotsent N.A. Testemitsanu), Moldavskogo  
instituta epidemiologii, mikrobiologii i gigiyeny (direktor -  
dotsent N.N. Yezhov) i Kishinevskogo gorodskogo otdela zdravo-  
okhraneniya (zav. - P.P. Kozishkurt). Nauchnyy rukovoditel'  
zasluzhennyy deyatel' nauki prof. N.T. Starostenko.  
(MOLDAVIA--HEPATITIS, INFECTIOUS)

STAROSTENKO, N.T.; DROBINSKIY, I.R.; ZAKHAROVA, T.A.; KOROVINA, T.V.

Comparative clinical characteristics of A and B type infectious hepatitis (Botkin's disease). Trudy Kish.gos.med.inst. 1:9-20 '60. (MIRA 16:2)

1. Kafedry fakul'tetskoy terapii, gospital'noy terapii i infektsionnykh bolezney Kishinevskogo gosudarstvennogo meditsinskogo instituta.

(HEPATITIS, INFECTIOUS)

STAROSTENKO, N.T., zasluzhennyi deyatel' nauki, prof.

Over-all study of Botkin's disease and measures for its control.  
Trudy Kish.gos.med.inst. 11:3-8 '60. (MIRA 1612)  
(HEPATITIS, INFECTIOUS)

STAROSTENKO, N.T., prof.; OSTROVSKAYA, N.F.

Intestinal lipodystrophy or Whipple's disease. Zdravookhra-  
neniye 6 no.1:56-57 J-F'63. (MIRA 16:8)

1. Iz kliniki fakul'tetskoy terapii (zav. zasluzhennyy deya-  
tel' nauki, prof. N.T. Starostenko) Kishinevskogo meditsinsko-  
go instituta.  
(INTESTINES—DISEASES) (METABOLISM, DISORDERS OF)

STAROSTENKO, N.T., prof. (Kishinev)

"Diseases of the biliary tract" by. A.IA Gubergrits. Reviewed by N.T. Starostenko. Vrach. delo no.7: 153-154 Jl'63. (MIRA 16:10)

(BILIARY TRACT--DISEASES)  
(GUBERGRITS, A.IA)

STAROSTENKO, S.I.

[Anaerobic gangrene] Anaerobnais gangrena. Tbilisi, Sabchota  
Sakartvelo, 1958. 274 p. (MIRA 13:11)  
(GANGRENE)

ANTELAVA, N.V.; STAROSTENKO, S.I., otv.red.; SUBASHYAN, A.I., red.izd-va

[Surgery in diseases of the thoracic cavity] Khirurgicheskoe  
lechenie zabolеваний органов грудной полости. Tbilisi, Izd-vo  
Akad.nauk Gruzinskoi SSR, 1958. 693 p. (MIRA 12:9)  
(CHEST--SURGERY)

MEDOVYY, Isaak Pavlovich, kand.med.nauk; LIPKAN, M.F., doktor biolog.nauk,  
otv.red.; STAROSTENKO, T.M., red.

[Chemical defense against the action of ionizing radiation]  
Khimichnyi zakhyt vid dii ionizuiuchoi radiatsii. Kyiv,  
Tovarystvo dlia poshyrennia politychnykh i naukovykh znan'  
URSSR. 1960. 28 p.  
(RADIATION PROTECTION)

FAYDYSH, Aleksandr Nikolayevich [Faidysh, O.M.], kand. fiziko-mat. nauk;  
GURTOVYY, M.Yu. [Hurtovyi, M.IU.], kand. fiz.-mat. nauk, oty.  
red.; STAROSTENKO, T.M., red.; MATVIICHUK, O.A., tekhn. red.

[Thermonuclear reactions; on the natural and artificial suns]  
Termoiaderni roaktsii; pro pryrodne i shtuchne soncse. Kyiv,  
1961. 37 p. (Tovarystvo dlia poshyrennia politychnykh i nauko-  
vykh znan' Ukrains'koi RSR. Ser. 6, no.20) (MIRA 15:2)  
(Thermonuclear reactions)

DUNAYEVSKIY, Vasiliy Nikodimovich [Dunaievs'kyi, V.N.]; PASTUSHENKO, V.O.,  
kand. sel'khoz. nauk, otv. red.; STAROSTENKO, T.M., red.; MATVIICHUK,  
O.A., tekhn. red.

[Erosion control] Borot'ba z erosioleiu hruntiv. Kyiv, 1961. 47 p.  
(Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi  
RSR. Ser. 5, no.4) (MIRA 14:8)  
(Soil conservation)

KAPLAN, Samuil Aronovich, doktor fiz.-matem.nauk; CHEREDNICHENKO, V.I..  
knnd.fiz.-matem.nauk, otv.red.; STAROSTENKO, T.N., red.

[New data on cosmic space; results of the International  
Geophysical Year] Novye dannye o kosmicheskem prostranstve;  
itogi MGG. Kiev, 1960. 37 p. (Obshchestvo po rasprostraneniiu  
politicheskikh i nauchnykh znanii. Ser.5, no.16).

(MIRA 14:2)

(Cosmography)

NAZARCHUK, Galina Kirillovna; VSEKHSVYATSKIY, S.K., doktor fiziko-matem. nuk, otv.red.; STAROSTENKO, T.N., red.; MATVIYCHUK, A.A., tekhn.red.

[Solar eclipse of 1961 in the Ukraine] Solnechnoe zatmenie na Ukraine v 1961 godu. Kiev, 1961. 46 p. (Obshchestvo po rasprostraneniu politicheskikh i nauchnykh znanii Ukrainskoj SSR. Ser.6, no.1). (MIRA 14:1)

(Eclipses, Solar--1961)

BONDARCHUK, Vladimir Gavrilovich; TKACHUK, L.G., doktor geologo-miner. nauk,  
otv. red.; STAROSTENKO, T.N., red.; MATVIICHUK, A.A., tekhn. red.

[Geological monuments of the Ukraine] Geologicheskie pamiatniki Ukrayiny. Kiev, 1961. 78 p. (Obshchestvo po rasprostraneniu politicheskikh i nauchnykh znanii Ukrainskoi SSR. Ser. 6, no. 13-14) (MIRA 14:11)

(Ukraine—Geology)

STAROSTENKO, V.I.

Relation between the higher vertical derivatives of the  
gravity potential and the horizontal gradients of the  
force of gravity. Geofiz. sbor. no. 5:38-48 '63.  
(MIRA 17:5)

1. Institut geofiziki AN UkrSSSR.

STAROSTENKO, V.I.

Use of the gravity potential in gravimetric studies. Dop. AN URSR no.1:  
63-66 '64. (MIRA 17:4)

1. Institut geofiziki AN UkrSSR. Predstavлено академиком AN UkrSSR S.I.  
Subbotinym.

STAROSTENKO, V.I.

Graticule for the calculation of  $V_{zxx}$  and  $V_{xzz}$  for two-dimensional bodies of arbitrary cross section. Dop. AN URSR no.4:484-487 '64.  
(MIRA 17:5)

1. Institut geofiziki AN UkrSSR. Predstavлено академиком AN Ukr SSR S.I.Subbotinym.

YEGOROV, V.M.; STAROSTENKO, V.I.

Application of the second vertical gravity derivative in interpreting the gravitational field of the northwestern part of the Ukrainian Crystalline Shield. Geofiz. sbor. no.7:126-132 '64.  
(MIRA 17:11)

1. Kiyevskaya ekspeditsiya Ukrainskogo nauchno-issledovatel'skogo  
geologo-razvedochnogo instituta i Institut geofiziki AN UkrSSR.

STAROSTENKO, V.I.

Dot chart for  $V_{zzzz}$  and  $V_{zyzx}$  calculation for two-dimensional  
bodies of arbitrary cross section. Dep. AN URSR no. 5:602-605 '63.  
(MIRA 17:9)

1. Institut geofiziki AN UkrSSR. Predstavлено академиком AN  
UkrSSR S.I. Subbotinym.

STAROSTENKO, Ye. P.

"Investigation of the Temperature Effect on the Rate of Electric Crystallization of Metals." Thesis for degree of Cand. Chemical Sci. Sub 27 Dec 50, Moscow Order of Lenin Chemicotechnological Inst imeni D. I. Mendeleyev

Summary 71, 4 Sep 52, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1950. From Vechernaya Moskva, Jan-Dec 1950.

Reznik, N. S., et al., et al.

Crystallization

Effect of temperature on the rate of electrocrystallization of silver. Zhur.prikl.khim. 16, no. 6, 1952.

MONTHLY LIST OF RUSSIAN ACQUISITIONS, LIBRARY OF CONGRESS, NOVEMBER 1952. UNCLASSIFIED.

GORBACHEV, S. V., STAROSTENKO, YE. P.

Copper

Effect of temperature on the rate of electrocrystallization of copper. Zhur. fiz. khim., 26, No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1952 ~~SECRET~~ Unci.

WILLIAMSON, Mr. P.

ISSN/Chemistry-Electrochemistry

卷之二

"Effect of Temperature on the Rate of Electrolytic Deposition of Zinc and Cadmium," S. V. Gorbachev,  
Ye. P. Starostenko, Chem.-Technol. Inst imeni D. I. Mendeleyev, Moscow

Investigated dependence of the rate of the cathodic process of Zn and Cd deposition from solns of their simple salts on the temp within the range 10-1000. Established that the rate of deposition 1st rises with rising temps and then drops at high temps,

just as in the case of Cu. Appearance of a max on the current-temp curve must be ascribed to polarization connected with the formation of a new phase.

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STAROSTENKO, Ye. P.

USSR/Chemistry - Electrochemistry

Jun 52

"Effect of Temperature on the Rate of Electrolytic Deposition of Silver," S.V. Gorbachev, Ye.P. Starostenko, Chem-Technol Inst imeni D.I. Mendeleyev.

"Zhur Fiz Khim" Vol XXVI, No 6, pp 802-809

Investigated dependence of the rate of Ag deposition from aq  $\text{AgNO}_3$  soln on the temp within the range 10-100°. Found that max appears on current-temp curve, just as in the cases of Cu, Zn, or Cd, and for the same reason.

220T27

STAROSTENKO, G. P.

\*Investigation of the Influence of Temperature on the Speed of Electrocrysallization of Metals. S. V. Gorbachev and E. P. Starostenko (*Trudy Soveschaniya po Elektrokhimii* 1950, 1953, 249-257).—[In Russian]. The electrodeposition of Cu, Zn, Cd, Ag, and Hg from solns. of CuSO<sub>4</sub>, ZnSO<sub>4</sub>, CdCl<sub>2</sub>, AgNO<sub>3</sub>, and HgNO<sub>3</sub>/HNO<sub>3</sub>, resp., was studied. Plots of the c.d. ( $I$ ) against the temp. ( $t$ ) and also of  $\lg I$  against  $1/t$ , usually had a max., indicating that the rate of deposition also passed through a max. with increase of temp. However, when the cathode process was determined by concentration or chem. polarization, there was a linear relation between  $\lg I$  and  $1/t$ . The variation in deposition rate cannot be ascribed to changes in the cathodic surface, to impurities in the bath, to the formation of hydroxide, or to the near-cathodic layer becoming impoverished in ions of the deposited metal, but appears to be a new type of polarization in which the rate process is determined by the probability of formation of a new phase. This theory is briefly discussed.—G. V. R. T.

MG  
PH

(1)

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Gorbachev, G.V.	"Investigations in the	Moscow Chemicotechnological
Khramtsov, N.Ye.	Field of the Kinetics of	Institute imeni D.I.
Izmaylov, A.V.	"Electrochemical Reactions"	Mendeleev
Starostenko, Ye.P.		
Vasenin, R.M.		
Zhuk, N.P.		

SO: W-30604, 7 July 1954

STAROSTENKO, Ye.P.; STAROSTENKO, N.F.

New method of electrochemical reduction on a mercury cathode.  
Zhur. fiz. khim. 35 no. 5:1168 My '61. (MIRA 1637)

(Reduction, Electrolytic)

BURMISTROVA, Ol'ga Aleksandrovna; KARAPET'YANTS, Mikhail  
Khristoforovich, prof.; KARETNIKOV, German Sergeyevich,  
dots.; KISELEVA, Yekaterina Vasil'yevna, dots.; KUDRYASHOV,  
Igor' Vladimirovich, dots.; MIKHAYLOV, Vladimir Vasil'yevich,  
dots.; STAROSTENKO, Yekaterina Pavlovna, dots.; STREL'TSOV,  
Igor' Sergeyevich; KHACHATURIAN, Ol'ga Borisovna, dots.;  
GORBACHEV, S.V., doktor khim. nauk, prof., zasl. deyatel'  
nauki i tekhniki, red.; ALAVERDCV, Ya.G., red.; VORONINA,  
R.K., tekhn. red.

[Laboratory work in physical chemistry] Praktikum po fizicheskoi khimii. [By] O.A. Burmistrova i dr. Moskva, Vysshiaia shkola, 1963. 553 p. (MIRA 16:11)  
(Chemistry, Physical and theoretical--Laboratory manual)

STAROSTENKO, Ye.P. STAROSTENKO, N.Z.

Electrochemical reduction of nitrite anions. Trudy MKHTI no.44:115-118  
'64. (MIRA 18:1)

MAKAROVA, Ye.G., inzh.; STAROSTENKOVA, A.V., inzh.

Centenary of the "Iskra Oktiabria" linen mill. Tekst.prom.  
19 no.8:64-66 Ag '59. (MIRA 13:1)  
(Kostroma--Linen)

ANOKHIN, Vladimir Grigor'yevich; STAROSTENKOVA, M.M., red.; RAKITIN, I.T., tekhn. red.

[The fish changes its address] Ryba meniaet adres. Moskva, Izd-vo "Znanie," 1962. 30 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia: Biologija i meditsina, no.17) (MIRA 15:10) (Culture)

NOTKIN, Semen Yefimovich; STAROSTENKOVA, M.M., red.; RAKITIN, I.T.,  
tekhn. red.

[Little children protected] Malyshi pod zashchitoi. Moskva,  
Izd-vo "Znanie," 1962. 36 p. (Novoe v zhizni, nauke, tekhnike.  
VIII Seriia: Biologija i meditsina, no.24)

(MIRA 15:12)

(CHILDREN--DISEASES)

OGNEV, Boris Vladimirovich, prof.; NOVINSKIY, Georgiy Davydovych;  
STAROSTENKOVA, M.M., red.; RAKITIN, I.T., tekhn. red.

[Medicine and physics] Meditsina i fizika. Moskva, Izd-vo  
"Znanie," 1962. 64 p. (Novoe v zhizni, nauke, tekhnike.  
VIII Seriya: Biologiya i meditsina, no.19) (MIRA 15:11)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR  
(for Novinskiy, Ognev).

(MEDICAL PHYSICS)

TIMAKOV, Vladimir Dmitriyevich; STAROSTENKOVA, M. M., red.; ATROSHCHENKO, L. Ye., tekhn. red.

[New paths of medicine] Novye puti meditsiny. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike, VIII Seria: Biol. i meditsina, no.1) (MIRA 16:1)

1. Vitse-prezident Akademii meditsinskikh nauk SSSR (for Timakov).  
(MEDICINE)

MEN'SHIKOV, Fedor Kuz'mich, prof., doktor med.nauk; STAROSTENKOVA, M.M.,  
SAVCHENKO, Ye.V., tekhn.red.

[Therapeutic diet in diseases of the digestive organs; as revealed by materials of public lectures delivered in the lecturing bureaus of the Society] Lechebnoe pitanie pri zabolевaniikh organov pishchevareniiia; po materialam publichnykh lektsii, chitannykh v lektoriiekh Obshchestva. Moskva, Izd-vo "Znanie," 1961. 30 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.8. Biologija i meditsina, no.4) (MIRA 14:2)

(DIET IN DISEASE) (DIGESTIVE ORGANS--DISEASES)

BLOKHIN, Nikolay Nikolayevich; PARIN, Vasiliv Vasil'yevich; GAZENKO, Oleg Georgiyevich, kand.med.nauk; VERNOV, Sergey Nikolayevich; STAROSTENKOVA, M.M., otv.red.; SHISHINA, Yu.G., red.; NAZAROVA, A.S., tekhn.red.

[Medicine and cosmic flight] Meditsina i kosmicheskie polety; sbornik. Moskva, Izd-vo "Znanie," 1961. 30 p. (Vsesoiuznoe obshchestvo po rasprostraneniuu politicheskikh i nauchnykh znanii. Ser.8, Biologija i meditsina, no.9)

(MIRA 14:6)

1. Prezident Akademii meditsinskikh nauk SSSR (for Blokhin).
2. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Parin).
3. Chlen-korrespondent AN SSSR (for Vernov).

(SPACE MEDICINE)

CZECHOSLOVAKIA

KALAB, Dusan, Graduate Chemist, and STAROSTIK, Ladislav, Dr of Veterinary Medicine, Bioveta National Enterprise, Ivanovice na Hane, V. MARJANEK, Dr of Veterinary Medicine, director.

"Biochemical Study of the Erysipelas of Swine. VI. Immunology Against Erysipelas"

Prague, Veterinarni Medicina, Vol 8 (36), No 3, May 1963,  
pp 177-184.

Abstract [Author's German summary]: Experiments were made with mice to prove the presence of a soluble immunizing antigen which enters the live medium during the growth of *Erysipelothrix rhusiopathiae suis*. This antigen produces the formation of specific antibodies in rabbits, which can be proved by means of agglutination and agar precipitation. The presence of specific antibodies against the soluble antigen was determined even in commercial homologous hyperimmune serums against erysipelas of swine. Ten references.

...and the following will be available at the 1968 Annual Meeting of the American Veterinary Medical Association, St. Louis, Mo., June 23-27, 1968.

1. P. V. V. N. M. 10. 1. 1913. Ivanovice na Hanze, Director of the  
Technical University, Ivanovice na Hanze.

STAROSTIN, A.; NOVICHKOV, V.; YAKIMOVA, O.

Experiments with lactic acid bacteria in the production of  
smoked sausages. Mias. ind. SSSR 31 no.4:21-22 '60.  
(MIRA 14:7)

1. Dnepropetrovskiy myasokombinat.  
(Sausages)  
(Lactic acid bacteria)

STAROSTIN, A.; KOZLOVA, Zh.

Using lactic acid bacteria in preparing uncooked smoked sausages.  
Mias.ind.SSSR 32 no.6:15-16 '61. (MIRA 15:2)

1. Dnepropetrovskiy myasokombinat.  
(Lactic acid bacteria) (Sausages)

L 31951-65 ENT(m) DIAAP

ACCESSION NR: AP5004404

S/0056/65/048/001/0295/0:02

AUTHOR: Kas'yanov, V.; Starostin, A.

TITLE: Theory of bremsstrahlung of slow electrons interacting with atoms

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 48, no. 1, 1965,  
295-302TOPIC TAGS: bremsstrahlung, electron atom interaction, elastic scattering,  
scattering cross section, plasma radiation, infrared radiation

ABSTRACT: The bremsstrahlung produced from a system comprising a slow electron and a neutral atom is analyzed under the assumption that the atom or molecule is in the ground state, and that the interaction between the charge and the quantized field can be described in the dipole approximation. A diagram technique is developed which makes it possible to take account of radiation from the atom as well as from the incident particle. It is found that the contribution made to the radiation by the free particle is determined mainly by the elastic-scattering amplitude off the energy shell. Estimates of the contribution to the radiation from the atom, with the scattering treated in the Born approximation, give a value two

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ACCESSION NR: AP5004404

orders of magnitude smaller than the radiation from the electron. If the elastic scattering cross section is weakly dependent on the energy, the results are an extension of already known results. The proposed calculation method can be extended to the case of bremsstrahlung on ions. If polarization effects play an important role in the scattering, then the contribution of the radiation from the atom may become comparable with the radiation from the free particle, since it is no longer possible to assume slow variation of the scattering amplitude. A comparison of the theoretical and experimental results for the radiation intensity of a gas plasma in the infrared region of the spectrum is presented and the obtained theoretical results seem to exceed the experimental values. "We thank L. M. Biberman, B. A. Veklenko, A. N. Lagar'kov, A. Kh. Mnatsakanyan, G. E. Norman, and O. B. Firssov for interesting discussions." Orig. art. has: 7 figures and 20 formulas.

ASSOCIATION: Moskovskiy energeticheskiy institut (Moscow Power Institute)

SUBMITTED: 11Jul64

ENCL: 00

SUB CODE: MP, OP

MR REF Sov: 007

OTHER: 016

Card 2/2

STAROSTIN, A.A.; KUPTSOVA, Z.V., red.; SAYTANIDI, L.D., tekhn. red.

[Safety technique in grain cleaning areas] Tekhnika bezopasnosti na zerno-ochistitel'nykh tokakh. Moskva, Izd-vo M-va sel'.khoz. RSFSR, 1961. 6 p. (MIRA 15:3)  
(Grain--Cleaning)

ASIANOVA, N.Ye.; BOGOROV, V.G.; ZUSSER, S.G.; KLENOVA, M.V.; STAROSTIN, A.D.

Scientific and technical research of I.I.Mesiatsev. Trudy  
Gidrobiol. ob-va no.6:17-22 '55. (MIRA 8:9)  
(Mesiatsev, Ivan Illarionovich, 1885-1940)

ACC NR: AP7010720

SOURCE CODE: UR/0062/66/000/008/1303/1307

AUTHOR: Starostin, A. D.; Nikolayev, A. V.; Afanas'yev, Yu. A.

ORG: Institute of Inorganic Chemistry, Siberian Department of Academy  
of Sciences USSR (Institut neorganicheskoy khimii Sibirskogo otdeleniya  
AN SSSR)

TITLE: Standard heat of formation of certain organophosphorus compounds

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 8, 1966, 1303-1307

TOPIC TAGS: heat of formation, heat of combustion, organic phosphorus compound,  
organic phosphate

SUB CODE: 07

ABSTRACT: The heats of combustion and standard heats of formation of tributyl  
phosphate, tripropyl phosphate, the butyl ester of dibutylphosphinic acid, and  
tributylphosphine oxide were determined experimentally by the method of combustion  
in a calorimetric bomb. The values found experimentally (heats of combustion:  
 $7144.2 \pm 11.4$ ,  $6464.2 \pm 20.3$ ,  $8818.7 \pm 40.0$ , and  $9796.5 \pm 31.0$ , respectively;  
standard heats of formation  $-1905.7 \pm 3.0$ ,  $-1451.7 \pm 4.5$ ,  $-2070.2 \pm 9.4$ , and  
 $-2143.1 \pm 6.7$ , respectively) were used as the basis for deriving empirical depen-  
dences suitable for the calculation of the standard heats of formation of compounds

UDC: 541.11 + 661.718.1

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ACC NR: AP7010720

similar to those studied. A linear dependence of the standard heat of formation in the series tributylphosphine oxide -- tributylphosphate and triethylphosphate -- tributylphosphate upon the empirical parameter  $\Sigma\sigma$  and on the molecular weight was established. The standard heats of formation were calculated for trimethylphosphate, triamylphosphate, and the dibutyl ester of butylphosphinic acid. Orig. art. has: 2 figures, 9 formulas and 4 tables. [JPRS: 40,351]

Card 2/2

FEDOSOV, M.V.; STAROSTIN, A.D.

All-Union Scientific Research Institute of Maritime *Fisheries*  
and Oceanography. Biul. Okean. kom. no.5:21-25 '60. (MIRA 13:10)  
(*Fisheries--Research*)

L 06534-67 EWT(m)/EWP(j) WW/JW/RM

ACC NR: AP7000491

SOURCE CODE: UR/0020/66/168/002/0351/0353

NIKOLAYEV, A. V., (Corresponding Member of the Academy of Sciences USSR)  
AFANAS'YEV, Yu. A., STAROSTIN, A. D., Institute of Inorganic Chemistry, Siberian  
Department, Academy of Sciences USSR (Institut neorganicheskoy khimii Sibirskogo  
otdeleniya ANSSR)

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B

"Thermochemistry of Certain Organophosphorus Compounds" 1

Moscow, Doklady Akademii Nauk SSSR, Vol 168, No 2, 1966, pp 351-353

Abstract: The heats of combustion and standard heats of formation of tributyl phosphate (TBP), triisobutyl phosphate (iso-TBP), triethyl phosphate (TEP), and triphenyl phosphate (TPP) were determined. The standard heats of combustion and formation of TEP and iso-TBP are very close. The maximum heat of combustion and minimum heat of formation among the substances studied are possessed by TPP. The values for TBP, iso-TBP, and TPP were obtained for the first time; that for TEP is believed by the authors to be more accurate than the earlier literature value. Values obtained were: standard heats of combustion: TBP  $-1905.7 \pm 3.0$  kcal/mole; iso-TBP  $-1906.6 \pm 7.9$  kcal/mole; TEP  $-967.3 \pm 11.6$  kcal/mole; TPP  $-2227.9 \pm 9.5$  kcal/mole. Heats of formation: TBP  $-348.6 \pm 3.0$  kcal/mole; iso-TBP  $-347.3 \pm 7.9$  kcal/mole; TEP  $-312.4 \pm 11.6$  kcal/mole; TPP  $-180.5 \pm 2.5$  kcal/mole. Orig. art. has: 2-tables. [JPRS: 37,023]

TOPIC TAGS: thermochemistry, organic phosphorus compound, heat of combustion  
SUB CODE: 07 / SUBM DATE: 27 Nov 65 / ORIG REF: 006 / OTH REF: 005

Card 1/1 20/6

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5700051000072

MATERIALS AND METHODS

## 1. Kombinal v. Siles Arhangel (saga) - 1931. (Machinery--Safety appliances)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652930006-9"

**SESEKIN, N.P.; STAROSTIN, A.I.**

On a class of periodic groups. Usp. mat. nauk 9 no.4:225-228 '54.  
(Groups, Theory of) (MIRA 8:1)

AUTHOR:

Starostin, A.I. (Sverdlovsk)

SOV/42-13-3-15/41

TITLE:

Periodic Locally Solvable Completely Decomposable Groups  
(Periodicheskiye lokal'no razreshimyye vpolne rasshcheplyayemyye  
gruppy)

PERIODICAL: Uspekhi matematicheskikh nauk, 1958, Vol 15, Nr 3, p 228 (USSR)

ABSTRACT: According to Kantorovich, a group  $G$  is called completely decomposable if there exists a system  $\{H_\alpha\}$  of its locally cyclic subgroups  $H_\alpha$  such that every element of  $G$  being different from the unity is contained within one and only one subgroup  $H_\alpha$ .The principal result of the author is the following one:  
If a locally finite completely decomposable group  $G$  possesses a nontrivial locally solvable normal divisor, then it belongs to one of the following types:

1. locally cyclic group
2. p-group of the type p
3.  $G = A \lambda \{b\}$ , where  $A$  is locally cyclic and has an element of fourth order,  $b^2 = 1$ ,  $bab = a^{-1}$  for every  $a \in A$ .
4.  $G = G_1 \times G_2$ ,  $G_1$  - cyclic with prime order p,  $G_2 = A \lambda \{b\}$ ,  $b^p = 1$ ,  
 $A$  - locally cyclic, center of  $G_2$  equals 1.

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Periodic Locally Solvable Completely Decomposable Groups SOV  
42-13-3-15/41

5.  $G = A \times \{b\}$ , A locally cyclic with elements, the orders of which are relatively prime with the order of b. Every finite non-nilpotent subgroup of G has a trivial center
6.  $G = P \times B$ , P - Sylow p-subgroup of the type p, B - locally cyclic
7. symmetrical group of fourth order.

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